

Query Match 10.0%; Score 210.2; DB 1; Length 1869;  
 Best Local Similarity 50.4%; Pred. No. 2.1e-40;  
 Matches 857; Conservative 0; Mismatches 713; Indels 129; Gaps 9;

QY 200 gagatcgagctgtagcttctacagctgttaataatccgaagaagaaactgcaggttccc 259  
 DB 190 GAGCTCGTCAAGCGGTTCACAGGTTCGCCATGTTCCACATCGGGGAAATGACTCTGGC 249

QY 260 taagtctctggtaccacaagaagaatgaatogagttccagaagaatgagacgcttc 319  
 DB 250 CTGAAGATCGGTGCCCCAAGAAAGAACACCGCTGGAATACCAAGAAACAACTTGACAAGTTT 309

QY 320 gtaaatgaatacaagagccttacaagaagctctcttcttctctcaaaaccagaagctg 379  
 DB 310 GTGAACGTCAATCAGGGCCCAATGATGCTGTGTTTCCGTTCCTGTAATACCTCGTGATC 369

QY 380 cctacacttgatccggagctgagcgccgccccttggaagtgcagccatatogaacggt 439  
 DB 370 GACACGCTCAGCCGACGCTTGGCAAGCTTCATCG-----TTCCTTCGTCCGCAATGGC 423

QY 440 aaaaatctccacagcgggaattogaaacttctgtaggcccgttaacgctgagctc 499  
 DB 424 TCGAACCCAGAGGAGGACCGCTTCGTAACTCAGTGTTCAGGCGGTCAAGCGGTGTCGTC 483

QY 500 ggcggatgtagtaccactgaagctgctccacgcccaggattccaccatcggaaagt 559  
 DB 484 GGAGGCATGTCCAGCACTGGACATGCGGACACGCGCTTTGA----- 527

QY 560 ctccgggcatcgccgtccgaagctcagtaagaccgcgcagagggagacagaagagtgg 619  
 DB 528 --CGCGAGCAGCGCCGTTGCTCGTGAAGGCGACCCAGGACGCTGACGACCGCGAGTGG 585

QY 620 aacagagtttattccagggcagcgctctctatcgggacttccaccaggaaattcgag 679  
 DB 586 GACCGCTGTACACAAAGCGCGAGTCACTTCAAGACCGGAGCGGACCAAGTTCACAGGAG 645

QY 680 tcaattcggcacacctgttctgctgtctttgcaagcgcgtacaagagatcgtaacgt 739  
 DB 646 TCGATCGCCGACACCTCGTGCTCAACAGCTCGCGGAGGAATACAAAGGTTCAGCGGAC 705

QY 740 atctttgcctctccggttgagcgcgcacccggttgaagacgcgcgggaatcagctgaa 799  
 DB 706 TTCAGCAGATCCGCTCGCGGTAACCGCTCG-----CAGTCCGACCTTCGTGAG 756

QY 800 tggcactcagcagaaaatcttccactctatctacacagatgacagcagaagaagctc 859  
 DB 757 TGGAGCTCGCGGAACACCGTGT-----CGACCTCCAGAACAGGCGCGAAC 801

QY 860 ttaccctgctgacgaacatcgtgcaacagactggcgttaccggcggttatgagaag 919  
 DB 802 ACGACGCGCGGAATGACCGTTCACACTCTTCCCGCGGTGTGATGAGCGCGTGTG 861

QY 920 aagattggcgtgcgaggtcaggaatctactgcccaccaggaatcctagtctcagctg 979  
 DB 862 CGCAACAGCTGCACTCGGAGATCGAGTGTGACATCCACGACCTCACTCGGGCGAC 921

QY 980 gacagctatatcatggcgaaggttatgtactggcgtcggagcgatcggcaaccacag 1039  
 DB 922 CGCTTCGAATCAAGCAGAGAGTGTCTGTTCTTACAGCGGGGGGTCCACAAAGCGCAG 981

QY 1040 attctctataacccgggctt-----ctctggggtacaggtcagccacgcaatgaactcg 1093  
 DB 982 CTTCTGTGAACTCTGCTTTGGACAGCTGGGCGCGCGGACCCCGGAACCCCGCGAG 1041

QY 1094 ttgatcccaactcgggaggtatcacagcagcagcagctggttcattttgacagatgctc 1153  
 DB 1042 TTGCTGCGGTCCCTGGGAAGCTATCATCCAGGAGCTGCTGCTCTTCTGCGACACCGTG 1101

QY 1154 ttgaggcagggaattcgtcgacagcgtg-----cgcgacgactccttctgagctgc----- 1203  
 DB 1102 ATGAGCACCAGGCTCATCGACAGCGTCAAGTCCGACATGATCATCAGGGGGAACCCCTGGC 1161

QY 1204 -----atgg 1207  
 DB 1162 GATCTGGGTACAGCTGACACCCCGCGCGGAGACCAACAAGGACCCCGAGTGG 1221

QY 1208 tggaaagaagccgtgtgctcaacatattgccaagaaccccgacagatgcaactgcccattccg 1267  
 DB 1222 TGGAAACGAAAGGTGAAGAACCATGATGCAGCACCCAGGAGGACCCGCTTCCAATCCCG 1281

QY 1268 ttccggatccggaaccccgaggttaaacccccatttacagagaacacccctggcacacg 1327  
 DB 1282 TTGAGGACCCCGAGCGCGAGTACACCTTGTTCAGGCATCGCATCGCACCGGTGCGCACT 1341

QY 1328 cagattccacgcatgcttttctgacggtgctggttctgaggtggactctcgtgc 1387  
 DB 1342 CAGATTCCCGCATGCTGTTTACGTCGCGGCTGTCAGCAAAAGCATCGACTTCAGCTC 1401

QY 1388 atcgtgacctgcgctggtttgcgcaacccgacccctgaagcaaaacacccctttggttttc 1447  
 DB 1402 ATCGTCGACTGGCGCTTCTTCGCGCGGAGGAGCAAAAGGAGGAGAACAGCTCTGGTTC 1461

QY 1448 cagaacgatgtcaagacgggttacagtcagccgagccgacgcttcagatatcgacccacg 1507  
 DB 1462 TCGACAAAAATTACGGACAGTAAACATGCCGACCGACGCTTCGACTTCCGCTTCCCG 1521

QY 1508 actg---cgtaaacgtgagagcaagaaaatgatgcccgtatatgtcggaagtggcagc 1564  
 DB 1522 CGCGCGCGACGAGCAAGGAGGCGGAGGACATGATGACCGGATATGTGCGTTATGTCGGCG 1581

QY 1565 aacttggaggttatttgcacagctcccccccgagttatggtatccagcgtctgcaact 1624  
 DB 1582 AAGATTGGTGGCTGCTGCGCGGCTCCCTCCCGCAATTCATGAGCCCGGTCTGTCTCTT 1641

QY 1625 catcttgggggggtactcgcactggtgcttcgac-----aaggcaactacagtggtcgt 1678  
 DB 1642 CACCTCGTGGTACGACCCGCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1701

QY 1679 acaactcgtgtgtgtggtggttgcacatcttatttgcaggaatggcaccatcagg 1738  
 DB 1702 ACGGACTCGCGGCTGTTGCTTCAAGAACCTGTTCCTCGGTGCTCGGAAACATTCCTCC 1761

QY 1739 acgggctcgcgagaaacccgacacttacgctcagtggtccacgctatcaagagcgag 1798  
 DB 1762 ACCGCTGACGCGGAAACCCGACGCTCACGCAATGTCGTCGGATCATCAAGAGTTGGAG 1821

QY 1799 agtcatcatcaatacactca 1817  
 DB 1822 TACATCAAGAACCAACTTCA 1840

RESULT 3  
 US-09-023-731-2  
 ; Sequence 2, Application US/09023731  
 ; Patent No. 6291648  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kawamura, Yukio; Morita,  
 ; APPLICANT: Akhiero; Izumo, Koji.; Saka, Tomohide.  
 ; TITLE OF INVENTION: ANTITUMOR PROTEIN AND  
 ; TITLE OF INVENTION: GENE ENCODING SAME  
 ; NUMBER OF SEQUENCES: 20  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: MORGAN & FINNEGAN, L.L.P.  
 ; STREET: 345 PARK AVENUE  
 ; CITY: NEW YORK  
 ; STATE: NEW YORK  
 ; COUNTRY: USA  
 ; ZIP: 10154  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: FLOPPY DISK  
 ; COMPUTER: IBM PC COMPATIBLE  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: MICROSOFT WORD 97  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/023,731

QY	1106	ctggggagggtacatcacgagcagcgatggcatttgcagatagcttggacgagaa	1165
Db	964	CTTGGTCGCCTACCTACGCAAGACAGTCCATGACTTTTGTGACATCGTCTCAAGAGGGC	1023
QY	1166	ttctctgacagcgtgcgacgacatcctatgactgcocatggtggaagaagccgtgct	1225
Db	1024	ATAGTCGATGCCATCGCTACTGACCT-----CGCTTCGGTGCAGAGTTGAG	1071
QY	1226	caacatattgccaaagccacgacagatgcactgcccatttcggttccgcgatccggaaacc	1285
Db	1072	GCSCACAAGAAGAACGCCCGATGACGTGCTGTCGCCCATTCATTCCACGAGCTGAACTT	1131
QY	1286	caggttaacacccatttacagaagaacaccccttgcacacgcagattcacccgcgatgt	1345
Db	1132	CAAGTGATGATTCGCTFACACGTCGACTTCGCTTGGCATGTTCAAGTGTCATCCGATGCA	1191
QY	1346	tttctgcaggtggcgttcggtctgagtgaactctcgttcatcgtcgactcgactgcgtgg	1405
Db	1192	TTCTCATATGGTGATGTTGGACCAAGGCCGCCGGCTGTTCTGCTCGATCTGAGTTT	1251
QY	1406	tttggcgaaacgcacctgaagcaaaacaccttttggtttt-----	1447
Db	1252	TTCCGCCAATCAGATATTTGTCCGAAGAAAAATCGAGTGACTTTCGGTCCGAACCCTAAGCTA	1311
QY	1448	-----cgaacagatgttcaagacgggtacagtatgcgcgcagccagcttcagatat	1498
Db	1312	CCCGAGTGGGAGCGGGTGTTCACAGACACTATATGAATGCCACAGCCGACATTCCATGTC	1371
QY	1499	cgaccacgactgcgtcaaacgtgagcgaagaaatatgctggcagatatgtgcgaatgtg	1558
Db	1372	AAGCGGACCAACGCCGATGGAGACCGTGACCAGAGATGATGAATGATATGACCAACGTC	1431
QY	1559	gcgagcaacttggaggtatttggccacgtcccccccgagtttatggatccaggcctt	1618
Db	1432	CGGAACATGCTGGGTGGGTACCTCTCTGGCTCTACCTCAATTTATGGACCTGGTCTC	1491
QY	1619	gcacttcattctgggggaactactgcattggttcgacaagcgaactacagatgctgat	1678
Db	1492	GTACTGCACATACGCGGAACACTACGGATCGGGACAGATGATCAAACTTCCTGTTGCTGAT	1551
QY	1679	aacaactcgtggtctgggacttggcaattttatgttgcaggcaatgycaccactcagg	1738
Db	1552	CCGACATCAAGGTTTCATAACTTCAACAATCTGTGGGTGGCGGGAATGGGTGCATTCCA	1611
QY	1739	acgggcttcggcgagaacccgcaccttacgttcgatgtgccagcttatcaagagccgagg	1798
Db	1612	GATCGCACTGCCCTGCAACCGGACTCGTAGACGCGTGGGTATGCGCTATGCGCTGCTGAG	1671

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## RESULT 5